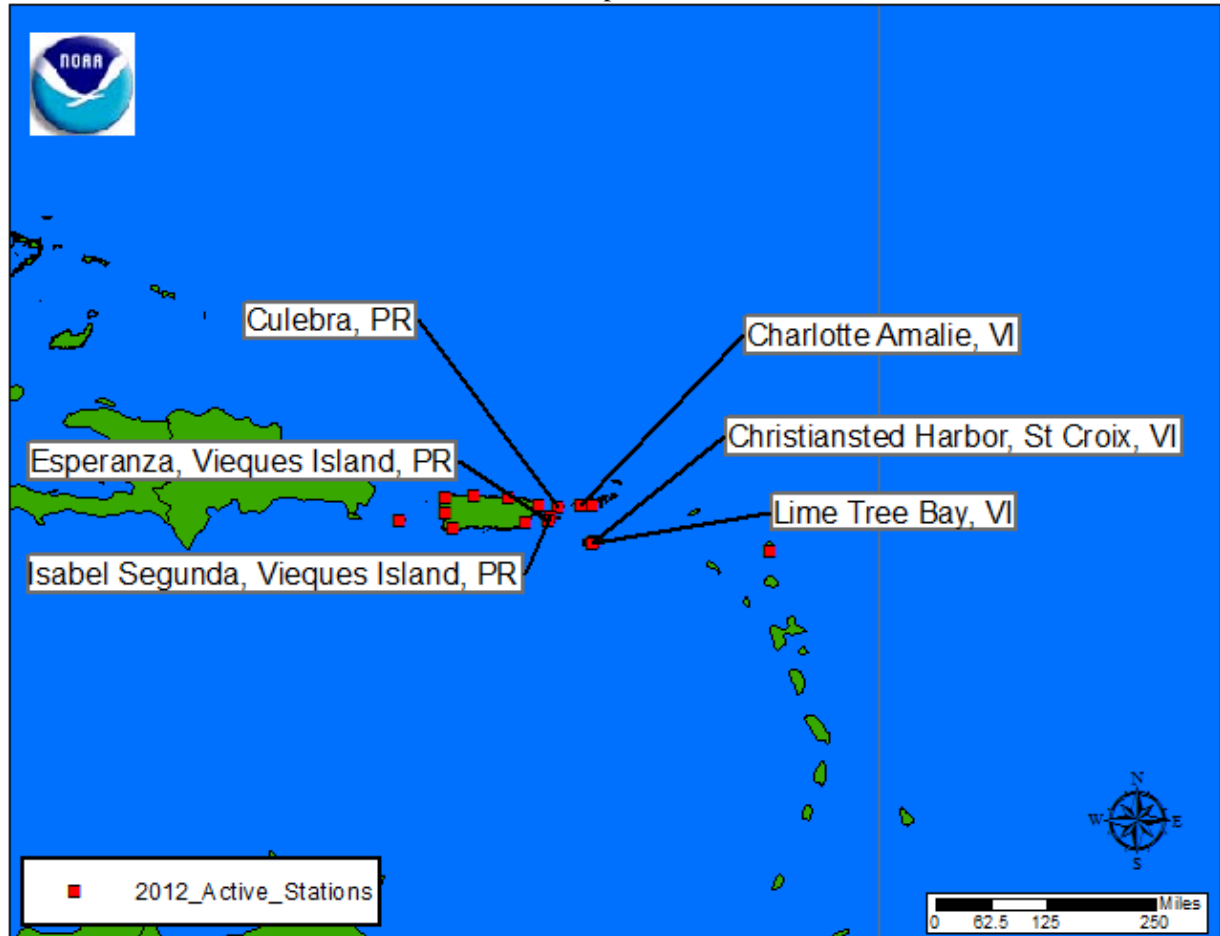




Tropical Storm RAFAEL QuickLook  
Posted: 06:00 AST 10/14/2012

#### NOAA and NOAA Partnership Stations Relative to the Storm



#### Storm Analysis

As of 10/14/2012 06:00 AST, water levels across the U.S. Virgin Islands and eastern Puerto Rico are slightly elevated between 0.3 to 0.7 feet above tidal predictions. Wind speeds are generally 10 kts or less with slightly higher gusts. Barometric pressure continues to fall across the region.

No further QuickLooks will be posted for this storm unless oceanographic conditions warrant and/or the National Hurricane Center (NHC) (or Central Pacific Hurricane Center (CPHC)) issues a new tropical storm or hurricane warning for the U.S. or its territories.

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to Mean Lower Low Water are:

Christiansted Harbor, St Croix, VI: Next predicted high tides are 0.7 ft (0.20 m) at 10/14/2012 07:50 AST and 0.4 ft (0.13 m) at 10/14/2012 17:50 AST.

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Esperanza, Vieques Island, PR: Next predicted high tides are 0.6 ft (0.19 m) at 10/14/2012 07:21 AST and 0.4 ft (0.14 m) at 10/14/2012 17:16 AST.

Lime Tree Bay, VI: Next predicted high tides are 0.8 ft (0.25 m) at 10/14/2012 08:31 AST and 0.9 ft (0.28 m) at 10/15/2012 09:30 AST.

Charlotte Amalie, VI: Next predicted high tides are 1.0 ft (0.30 m) at 10/14/2012 08:02 AST and 0.7 ft (0.22 m) at 10/14/2012 18:54 AST.

Culebra, PR: Next predicted high tides are 1.4 ft (0.42 m) at 10/14/2012 07:29 AST and 1.1 ft (0.33 m) at 10/14/2012 19:18 AST.

Isabel Segunda, Vieques Island, PR: Next predicted high tides are 1.4 ft (0.43 m) at 10/14/2012 07:41 AST and 1.1 ft (0.34 m) at 10/14/2012 19:31 AST.

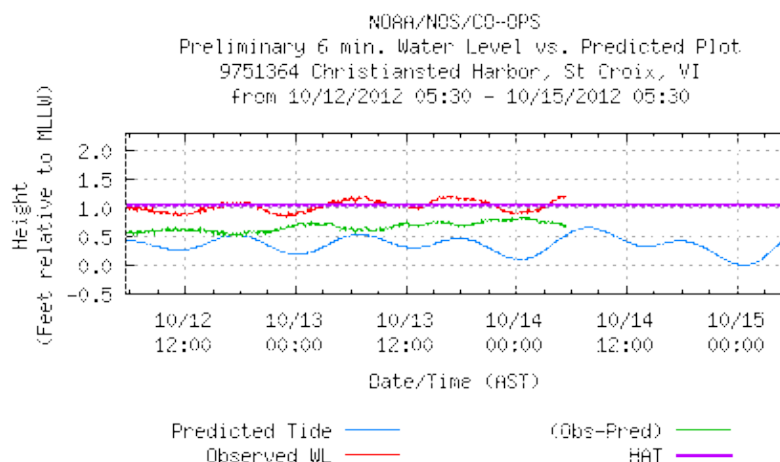
For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For information on Highest Astronomical Tide (HAT), NAVD88 and other datums, please see [Tidal Datums](#). For more information or archived products and reports, please see the [Storm QuickLook](#) Homepage.

Analyst:PFF

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Christiansted Harbor, St Croix - Water Level](#), [Christiansted Harbor, St Croix - Winds](#), [Esperanza, Vieques Island - Water Level](#), [Esperanza, Vieques Island - Winds](#), [Esperanza, Vieques Island - Barometric](#), [Lime Tree Bay - Water Level](#), [Lime Tree Bay - Winds](#), [Lime Tree Bay - Barometric](#), [Charlotte Amalie - Water Level](#), [Charlotte Amalie - Winds](#), [Charlotte Amalie - Barometric](#), [Culebra - Water Level](#), [Culebra - Winds](#), [Culebra - Barometric](#), [Isabel Segunda, Vieques Island - Water Level](#), [Isabel Segunda, Vieques Island - Winds](#),

Christiansted Harbor, St Croix, VI - Return to List

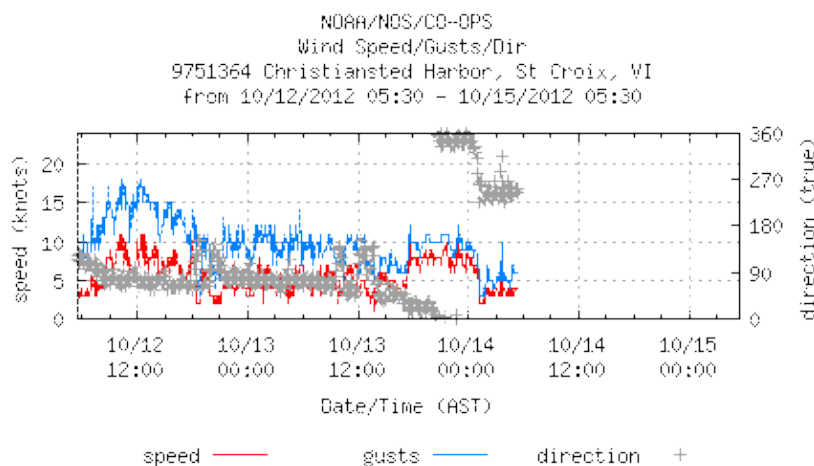


Last Observed Sample: 10/14/2012 05:24 (AST)

Relative to MLLW: **Observed: 1.22 ft.** **Predicted: 0.53 ft.** **Residual: 0.69 ft.**

Historical Maximum Water Level: Oct 16 2008, 1.17 ft. above MHHW

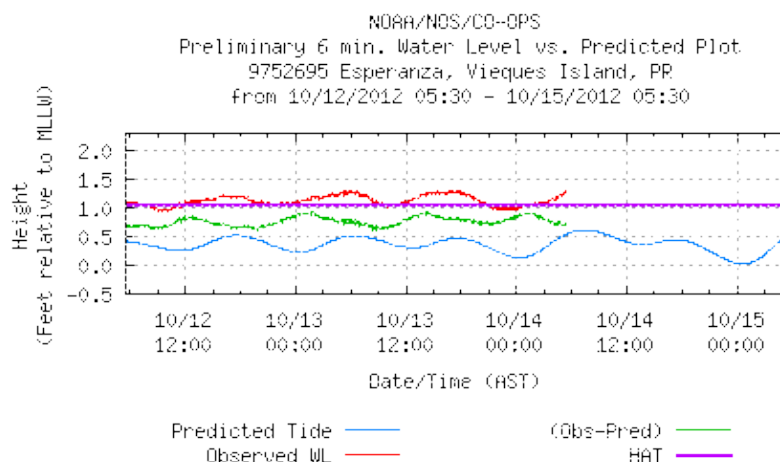
Christiansted Harbor, St Croix, VI - Return to List



Last Observed Sample: 10/14/2012 05:24 (AST)

**Wind Speed: 4 knots** **Gusts: 6 knots** **Direction: 254° T**

Esperanza, Vieques Island, PR - Return to List

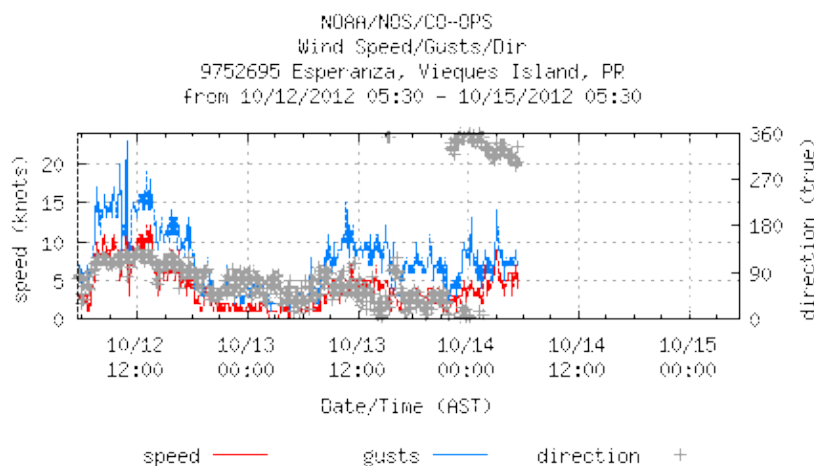


Last Observed Sample: 10/14/2012 05:24 (AST)

Relative to MLLW: **Observed: 1.26 ft.** **Predicted: 0.54 ft.** **Residual: 0.72 ft.**

Historical Maximum Water Level: Aug 22 2011, 1.04 ft. above MHHW

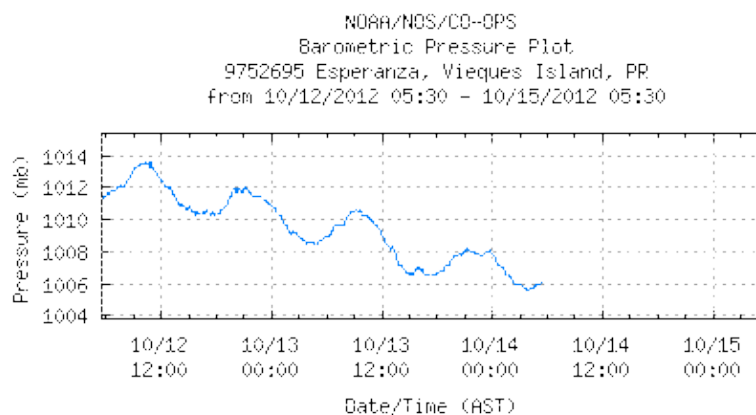
Esperanza, Vieques Island, PR - Return to List



Last Observed Sample: 10/14/2012 05:24 (AST)

**Wind Speed: 6 knots** **Gusts: 7 knots** **Direction: 303° T**

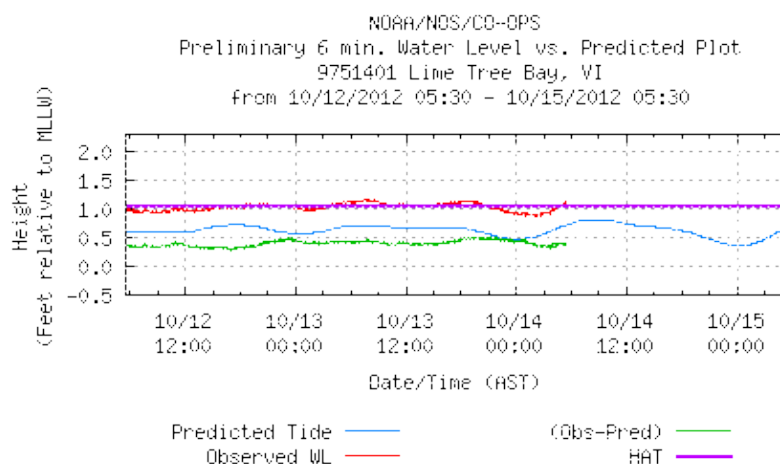
Esperanza, Vieques Island, PR - Return to List



Last Observed Sample: 10/14/2012 05:24 (AST)

Barometric Pressure: 1006.1 mb

Lime Tree Bay, VI - Return to List

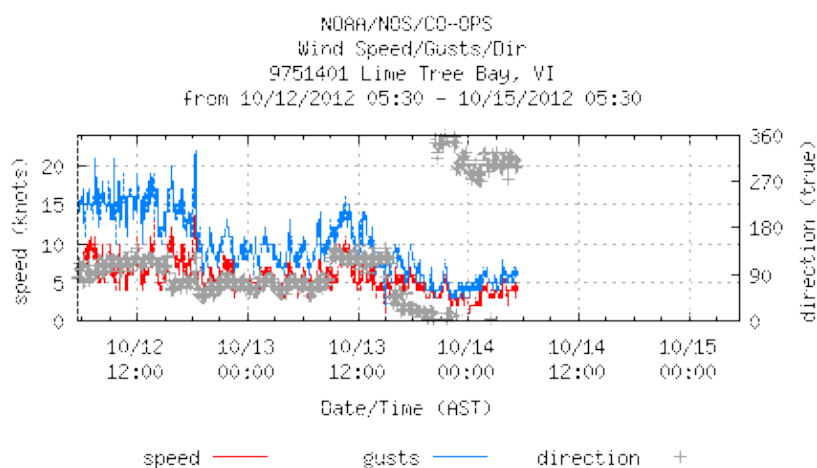


Last Observed Sample: 10/14/2012 05:24 (AST)

Relative to MLLW: **Observed: 1.13 ft.** **Predicted: 0.72 ft.** **Residual: 0.41 ft.**

Historical Maximum Water Level: Nov 17 1999, 1.88 ft. above MHHW

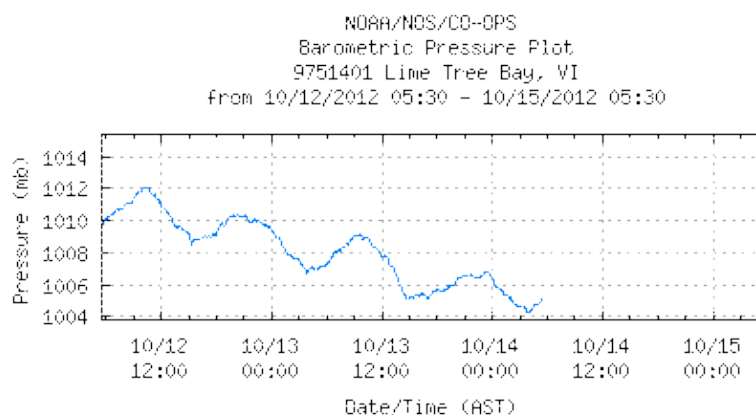
[Lime Tree Bay, VI - Return to List](#)



Last Observed Sample: 10/14/2012 05:24 (AST)

Wind Speed: 4 knots Gusts: 6 knots Direction: 301° T

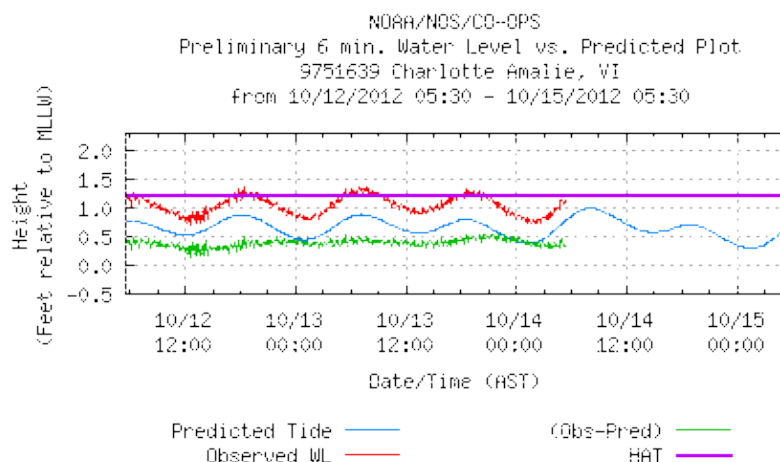
[Lime Tree Bay, VI - Return to List](#)



Last Observed Sample: 10/14/2012 05:24 (AST)

Barometric Pressure: 1005.1 mb

[Charlotte Amalie, VI - Return to List](#)

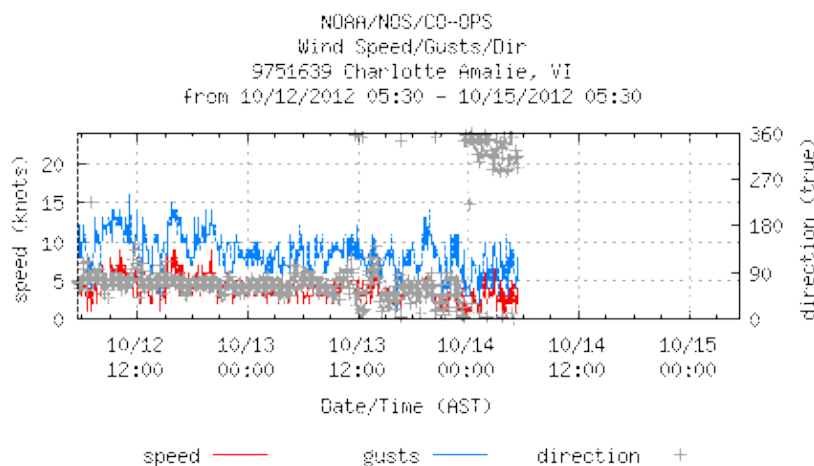


Last Observed Sample: 10/14/2012 05:24 (AST)

Relative to MLLW: **Observed: 1.13 ft.** **Predicted: 0.79 ft.** **Residual: 0.34 ft.**

Historical Maximum Water Level: Sep 16 1995, 2.93 ft. above MHHW

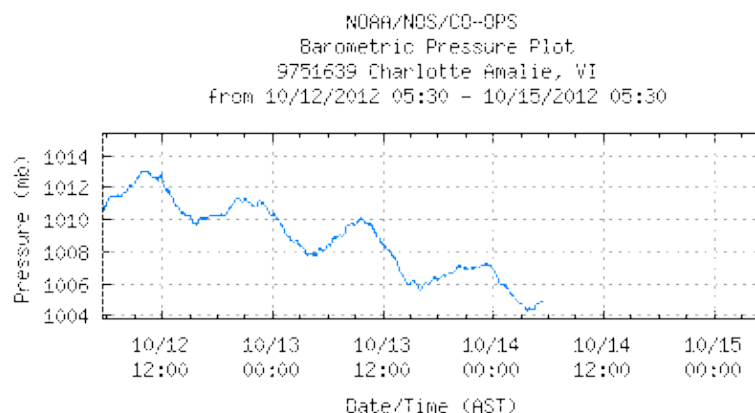
[Charlotte Amalie, VI - Return to List](#)



Last Observed Sample: 10/14/2012 05:24 (AST)

**Wind Speed: 4 knots** **Gusts: 8 knots** **Direction: 316° T**

Charlotte Amalie, VI - Return to List

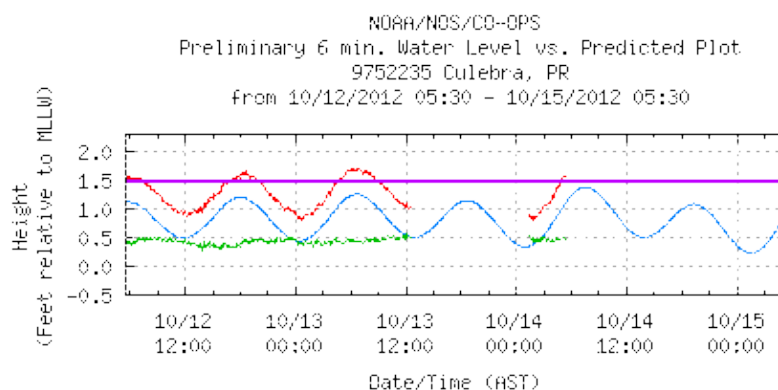


barometric pressure —

Last Observed Sample: 10/14/2012 05:24 (AST)

Barometric Pressure: 1004.9 mb

Culebra, PR - Return to List



Predicted Tide —

Observed WL —

(Obs-Pred) —

HAT —

Last Observed Sample: 10/14/2012 05:24 (AST)

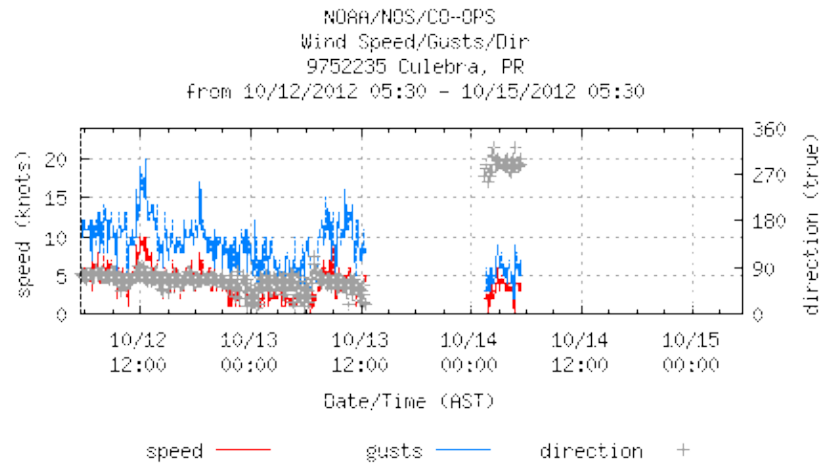
Relative to MLLW: **Observed: 1.59 ft.** **Predicted: 1.12 ft.** **Residual: 0.47 ft.**

Historical Maximum Water Level: Nov 6 2006, 0.85 ft. above MHHW



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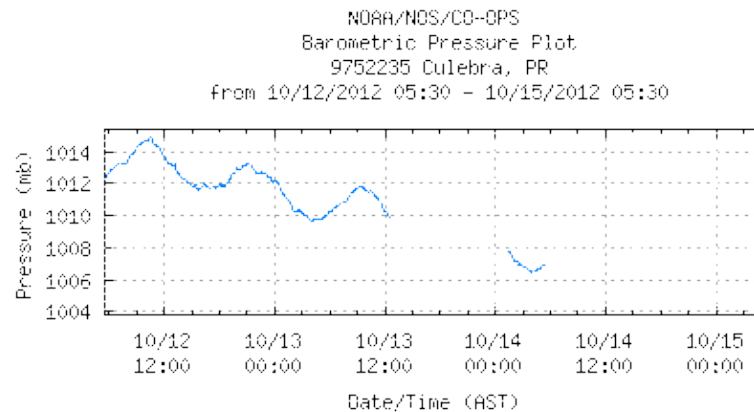
Culebra, PR - Return to List



Last Observed Sample: 10/14/2012 05:24 (AST)

Wind Speed: 3 knots Gusts: 5 knots Direction: 302° T

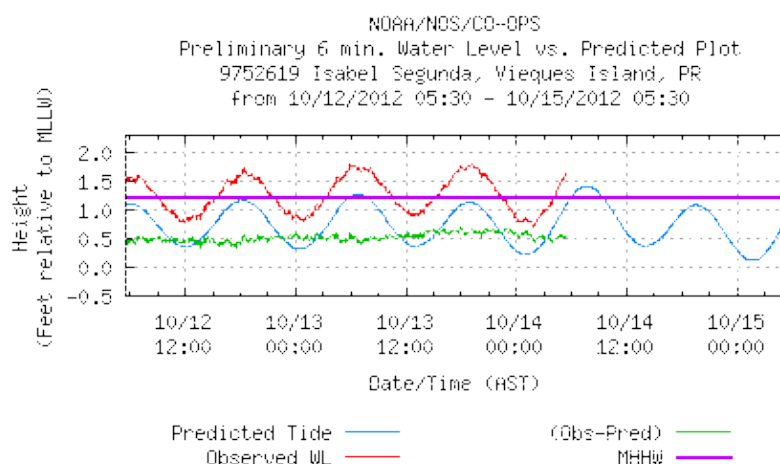
Culebra, PR - Return to List



Last Observed Sample: 10/14/2012 05:24 (AST)

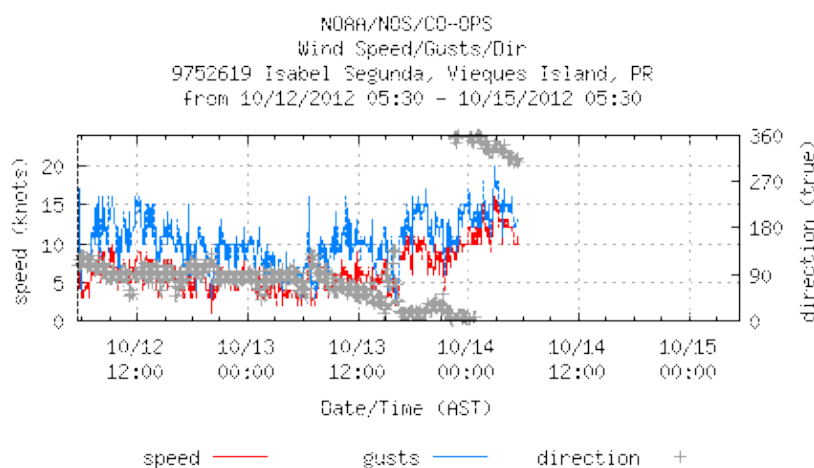
Barometric Pressure: 1006.9 mb

Isabel Segunda, Vieques Island, PR - Return to List



Last Observed Sample: 10/14/2012 05:24 (AST)  
Relative to MLLW: **Observed: 1.63 ft. Predicted: 1.09 ft. Residual: 0.54 ft.**  
Historical Maximum Water Level: , 0 ft. above MHHW

Isabel Segunda, Vieques Island, PR - Return to List



Last Observed Sample: 10/14/2012 05:24 (AST)  
**Wind Speed: 11 knots Gusts: 13 knots Direction: 309° T**

Tropical Storm RAFAEL QuickLook, POSTED 06:00 AST 10/14/2012

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)  
National Oceanic and Atmospheric Administration | U.S. Department of Commerce